



DATE: August 25, 1986

TO: DIVISION FILE

FROM: Kerry Keller - Region 1

SUBJECT: 1418210002 - Ogle County
Davis Junction/Earnest Doke Drum
Superfund - Technical Report

EPA Region 5 Records Ctr.



311328

On July 22-25, 29 and 30, and August 4, 1986, the second phase of the cleanup at the Doke Drum Site was completed. The second phase consisted of repacking the waste, crushing the old and used overpack drums, cleaning up the staging area and shipping the wastes offsite for final disposal. Mid-America Environment Services, Inc. was the contractor for both Phase 1 and Phase 2 of the cleanup. Mid-America projected that Phase 2 of the cleanup would take four days, (one day setup, two days repacking/crushing, one day loading waste, demobilization), however the second phase took seven days. The following is a breakdown of the daily activities onsite.

July 22, 1986 - Tuesday

The author arrived at the Doke Farm at 8:30 a.m. It had been decided to meet at the road between 8:30-9:00 a.m. At 9:40 a.m. Mid-America's foreman, Steve Makarewick and his assistant arrived onsite along with a semi tractor/trailer with a load of drums (for repacking). We drove to the drum site and Mid-America unloaded 125 drums (100 open heads, 25 tight heads) between 9:45-10:05 a.m. These drums were put just west of the drums staged on the Visqueen. The semi tractor/trailer and the foreman's assistant then left the site at 10:15 a.m. Mid-America was sending a crew which would be arriving shortly according to Steve.

At 1:00 p.m., Perre Krizanek and a crew of six workers arrived onsite. They began unloading their equipment and building a "decon corridor", which the workers were to pass thru during decontamination. The decon corridor was completed by 2:45 p.m. They then unloaded a drum crusher which was positioned just east of the decon corridor. At 3:20 p.m. the crew began opening the new drums. This was completed by 4:00 p.m. All remaining equipment was unloaded and work was completed by 4:45 p.m. Mid-America and the author left the site at 4:50 p.m. Perre said that they would be starting at 7:00 a.m. on 7/23/86.

July 23, 1986 - Wednesday

The author arrived onsite at 6:45 a.m. Mid-America arrived at 7:00 a.m. They had a crew of four men, who suited up and began working at 7:35 a.m. They were in level C protective gear (yellow tyvek, gloves, boots and respirator) and began repacking the solid wastes. The workers were forced to take frequent breaks due to the hot weather (+80° F by 9:30 a.m.) and were only able to work 25-45 minutes at a time between breaks. The total amount of time working in the tyvek suits was between 4-4 1/2 hours for the day. At the end of the day 30-35 drums of solids had been repacked. No drums had been crushed. Perre Krizanek arrived onsite at 2:15 p.m. and observed work until the end of the day.

Work for the day was finished at 3:15 p.m. Due to the heat it was decided to start earlier on 7/24/86. We would meet at 5:00 a.m. as sunrise was around 5:20 a.m.

Mid-American and the author left the site at 3:25 p.m.

July 24, 1986 - Thursday

The author arrived onsite at 5:00 a.m. Mid-America had arrived about five minutes earlier at 4:55 a.m. Mid-America had an eight man crew and a foreman (Steve Makarewick). The eight workers suited up and began work at 5:30 a.m. Two men started working on repacking the liquid wastes using a hand powered pump to pump the liquids into a new drum. The remaining six workers continued to repack the solid wastes. At 6:45 a.m. it was observed that the workers repacking the liquid wastes were starting on the overpacked liquid waste. The foreman was asked why they were repacking the overpacked wastes as the contract from Mid-American dated 5/13/85, said that, "The overpack drums and their contents will be sent for disposal as they are". The foreman explained that since the majority of the drums were not full, it is more economical from a disposal standpoint to repack the drums so that they are full. The empty overpacks will be crushed if grossly contaminated and/or the inside drum cannot be removed, or may be reused at another site if the overpack drums are in good shape. These overpacks were already charged to the Agency. Tim Greetis was informed of the situation on 7/28/86 and was asked what to do. He said he would get in touch with Ron McFarlane and arrange for a credit of any overpacks charged to the Agency that would be removed from the site to be reused at another site.

At 8:30 a.m. two members of the crew began operating the drum crusher. The drum crusher can crush a 55 gallon drum in about 75 seconds to a height of 6-8 inches. The drum crusher was operated for the rest of the day.

Perre arrived onsite at 9:35 a.m. and left at 9:45 a.m. He returned at 10:50 a.m. and left for day at 10:55 a.m.

The earlier starting time helped in that the total amount of time worked in the tyvek suits increased to 6 hours for the day, and the work periods increased to 30 minutes - 1 hour 10 minutes, at at time. It was decided to continue to start at 5:00 a.m.

Work was completed for the day at 2:45 p.m. Mid-America and the author left the site at 3:00 p.m.

July 25, 1986, Friday

The author arrived onsite at 5:00 a.m. Mid-America had arrived just before the author. It was raining with lightning so work was delayed until 6:20 a.m. At 7:30 a.m. the air compressor ran out of gas. It had to be hooked up to one of the trucks and taken offsite to be refueled. The air compressor was returned to the site at 8:25 a.m.

At 8:45 a.m. the drum crushing operation of the old drums was started.

Perre arrived onsite at 10:30 a.m. and explained that they were having trouble getting the supplemental waste stream permits. He said they would not be back onsite on Monday (7/28/86) but hopefully would be back on Tuesday (7/29/86). He said they figured that it would take two more days to complete the project. Work continued until 2:00 p.m. when the crew began wrapping things up for the day. At the end of the day there was approximately 35 drums of waste left to repack. Work was completed for the day at 2:40 p.m. and Mid-America and the author left the site at 2:45 p.m.

July 29, 1986 - Tuesday

The author arrived onsite at 8:30 a.m. Mid-America was already onsite as they had arrived at 8:15 a.m. They had a crew of four men, plus a foreman and his assistant, (six people total). Work began at 9:00 a.m. with two men repacking solid waste and two men repacking liquid waste.

At 9:20 a.m. it was discovered that the air compressor wouldn't start due to a lack of hydraulic oil. The foreman's assistant was sent offsite to purchase the hydraulic oil and returned at 10:30 a.m. The air compressor was back in operation at 10:40 a.m.

By 11:30 a.m. all the solid and liquid wastes had been repacked. The only wastes left to repack was 20-22 drums which contained sludges. These were to be repacked while mixing with soil to "solidify" the waste.

At 1:20 p.m. it was decided to lay out a new piece of Visqueen over the repacking area, as the piece that was already on the ground was developing small holes from the bobcat driving over it moving drums.

Work continued through the afternoon. Between 3:55 p.m. - 4:55 p.m. Steve (the foreman), left the site twice to call Mid-America's main office. At 4:55 p.m. he returned and announced that all of the drums had to be repacked and crushed by the end of the day as the drum crusher was due on another job the following day. At that time there were seven drums of sludge to repack and about 50-60 drums left to crush.

At 7:15 p.m. one worker began crushing the drums as the other three workers continued repacking the waste. Between 8:00 - 8:15 p.m. the last drum of waste was repacked. The last drum was crushed at 8:55 p.m. The drum crusher unit was loaded on the truck between 8:55 - 9:00 p.m.

Mid-America and the author left the site at 9:10 p.m.

July 30, 1986 - Wednesday

The author arrived onsite at 5:00 a.m. Mid-America arrived onsite at 5:10 a.m. with three people (one foreman and two workers). They had sent three of the crew back the night before with the crusher unit.

Work began at 5:20 a.m. with the workers sealing the drums. At 8:00 a.m. a semi tractor with a 40 cu. yd. trailer arrived onsite to take away the crushed drums. The truck was moved into position and lined with plastic. At 8:30 a.m. loading of the crushed drums began. All the crushed drums were loaded by 9:45 a.m. The load was covered with a tarp and the warning placards were displayed. At 10:05 a.m. the driver asked the author to sign the manifest. Before it was signed it was noted that the manifest had a different State Generator ID number.

The site had been assigned #1418210002, however the manifest had #1410170001. The author left the site to make a call to Tim Greetis to check on this different number and find out how it should be changed. Tim checked the files and discovered that both numbers were assigned to the Doke site. The 1410170001 number had been assigned to the "Doke Drum Cleanup" and so it was decided to use that number.

The author returned to the site at 10:45 a.m. and signed the manifest. The manifest showed a quantity of 25 cubic yards of crushed drums. The truck left the site at 10:50 a.m.

The foreman arrived onsite (he had left to make a phone call while the author was offsite) and announced that none of the remaining wastes would be shipped that day as Mid-America didn't have enough trucks running due to mechanical problems. It was decided to finish all cleanup work and stage the repacked drum for pickup at a later time.

All the Visqueen was packed into a drum and all the drums were staged by 3:00 p.m. Between 3:10 p.m. and 3:35 p.m. the decon corridor was dismantled. All equipment was loaded onto the trucks by 4:30 p.m. Mid-America left the site at 4:35 p.m.

While the author was preparing to leave, Mr. Doke arrived at the site at 4:40 p.m. He was informed of the progress of the project and was told that the project would be completed the following week. Mr. Doke and the author left the site at 5:00 p.m.

August 4, 1986 - Monday

The author arrived onsite at 7:45 a.m. Mid-America arrived at 8:05 a.m. with a two person crew. Between 8:25 a.m. and 8:30 a.m. two trucks arrived onsite. The hazardous waste labels for the repacked drums were filled out from 8:15 a.m. - 9:40 a.m. The trucks were moved into position at 9:40 a.m. The drums began being labled and loaded onto the trucks by 9:45 a.m.

All the drums including the empty drums not used were loaded on the trucks by 1:00 p.m. The following is the totals of the drums shipped out:

14 drums of flammable liquids - shipped to Petro Chem, Detroit, Michigan.
32 drums of hazardous waste solids - shipped to Petro Chem, Wyandette, Michigan.
10 drums of corrosive liquids - shipped to Petro Chem, Wyandette, Michigan.
34 drums of corrosive solids - shipped to Petro Chem, Wyandette, Michigan.
2 drums (1 cu.yd.) of PCB contaminated soil and debris - Chem Waste, Emille, Alabama.
34 drums - clean - shipped back to Mid-America, Riverdale, Illinois.
8 overpack drums - shipped back to Mid-America, Riverdale, Illinois.
9 used overpack drums - shipped back to Mid-America, Riverdale, Illinois.

The manifests were signed between 1:15 - 1:25 p.m. The trucks left the site at 1:30 p.m. Mid-America's crew left the site at 1:40 p.m. The author took pictures of the area and left the site at 2:00 p.m.

KK/bp
cc: Rockford Region
Tim Greetis

REFERENCE
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